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PUBLICATION NUMBER : 08C53092
PUBLICATION DATE : 27-02-96

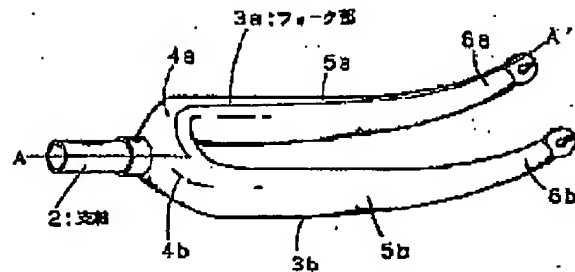
APPLICATION DATE : 11-08-94
APPLICATION NUMBER : 06211991

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INVENTOR : AKAIKE KATSUHARU;

INT.CL. : B62K 21/02 B29C 70/06 B29D 31/00
B62K 19/16 //B29K105:03

TITLE : FRONT FORK MADE OF FRP FOR
BICYCLE



ABSTRACT : PURPOSE: To provide a front fork which possesses the excellent operation performance by controlling the magnitude of the amplitude of the primary vibration in the bending vibration, softening the impact propagated to a handle part, and suppressing the torsional vibration of the front fork which is generated in the high speed travelling.

CONSTITUTION: As for a front fork made of FRP which is integrally formed with a lightweight core part and an FRP outer shell made of the matrix resin arranged on the periphery of the core part and the reinforced fibers consisting of the long fibers or the continuous fibers, each rigidity of the fork parts 3a and 3b is changed from the high rigidity to the low rigidity towards the lower ends 6a and 6b of a fork leg from the crown parts 4a and 4b.

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